
	PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 20191.PROV.PCT.US	SERIAL NO. 10/501,896
	LIST OF PRIOR ART CITED BY APPLICANT		APPLICANT AMERICAN TECHNOLOGY CORP.	
			FILING DATE 07/19/04	GROUP 2817

U.S. PATENT DOCUMENTS

EXAMINER INITIALS		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
H. c.	A1	6,445,804	09/03/02	Hirayanagi	—	—	
H. c.	A2	6,359,990	03/19/02	Norris	—	—	
H. c.	A3	6,378,010	04/23/02	Burks	—	—	
H. c.	A4	6,229,899	05/08/01	Norris, et al.	—	—	
H. c.	A5	6,108,427	08/22/00	Norris, et al.	—	—	
H. c.	A6	6,052,336	04/18/00	Lowrey, III	—	—	
H. c.	A7	6,011,855	01/04/00	Selfridge, et al.	—	—	
H. c.	A8	5,889,870	03/30/99	Norris	—	—	
H. c.	A9	5,859,915	01/12/99	Norris	—	—	
H. c.	A10	5,758,177	05/26/98	Gulick, et al.	—	—	
H. c.	A11	5,745,582	04/28/98	Shimpuki, et al.	—	—	
H. c.	A12	5,539,705	07/23/96	Akerman, et al.	—	—	
H. c.	A13	5,357,578	10/18/94	Taniishi	—	—	
H. c.	A14	5,317,543	05/31/94	Grosch	—	—	
H. c.	A15	5,115,672	05/26/92	McShane, et al.	—	—	
H. c.	A16	5,095,509	03/10/92	Volk	—	—	
H. c.	A17	4,991,148	02/05/91	Gilchrist	—	—	
H. c.	A18	4,823,908	04/25/89	Tanaka, et al.	—	—	
H. c.	A19	4,600,891	07/15/86	Taylor, Jr., et al.	—	—	
H. c.	A20	4,418,404	11/29/83	Gordon, et al.	—	—	
H. c.	A21	4,378,596	03/29/83	Clark	—	—	
H. c.	A22	4,295,214	10/13/81	Thompson	—	—	
H. c.	A23	4,166,197	08/28/79	Moog, et al.	—	—	
H. c.	A24	3,836,951	09/17/74	Geren, et al.	—	—	
EXAMINER Henry choe				DATE CONSIDERED 10/14/05			

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication with applicant.

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U.S. PATENT DOCUMENTS CONTINUED

H. c.	A25	3,742,433	06/26/73	Kay, et al.	—	—	
H. c.	A26	3,710,332	01/09/73	Tischner, et al.	—	—	
H. c.	A27	3,613,069	10/12/71	Cary, Jr, et al.	—	—	
H. c.	A28	3,612,211	10/12/71	Clark, III	—	—	
H. c.	A29	3,461,421	08/12/69	Stover	—	—	
H. c.	A30	3,398,810	08/27/68	Clark, III	—	—	
H. c.	A31	3,012,222	12/05/61	Hagemann	—	—	
H. c.	A32	2,461,344	02/08/49	Olson	—	—	
H. c.	A33	1,951,669	03/20/34	Ramsey	—	—	
H. c.	A34	1,616,639	02/08/27	Sprague	—	—	

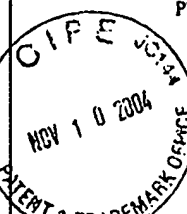
FOREIGN PATENT DOCUMENTS

EXAMINER INITIALS		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
H. c.	A35	WO 01/08449	02/01/01	Germany	—	—	
H. c.	A36	WO 01/52437	07/19/01		—	—	
H. c.	A37	EP 0 973 152	01/19/00	EPO	—	—	
H. c.	A38	H2-265400	10/30/90	Japan	—	—	

OTHER PRIOR ART (Including Author, Title, Pertinent Pages, Etc.)

H. c.	A39	Pompei; <i>The Use of Airborne Ultrasonics for Generating Audible Sound Beams</i> ; Presented at the 105 th Convention 1998 September 26-29.					
H. c.	A40	Crandall; <i>The Air-Damped Vibrating System: Theoretical Calibration of the Condenser Transmitter</i> , pgs. 449-460					
H. c.	A41	Kamakura, et al.; <i>Suitable Modulation of the Carrier Ultrasound for Parametric Loudspeaker</i> , <i>Acustica</i> Vol. 73 (1991)					
H. c.	A42	Yoneyama, et al.; <i>The audio spotlight: An application of nonlinear interaction of sound waves to a new type of loudspeaker design</i> ; <i>Acoustical Society of America</i> ; May 1983; pgs. 1532-1536					
H. c.	A43	Havelock, et al.; <i>Directional Loudspeakers Using Sound Beams</i> ; <i>J. Audio Eng. Soc.</i> , Vol 48, No. 10, 2000 October; pgs. 908-916					
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OTHER PRIOR ART (Including Author, Title, Pertinent Pages, Etc.) CONTINUED

H. c.	A44	Helmholtz; <i>Excerpts from On DCombination Tones</i> ; pgs. 228-238
H. c.	A45	Berklay, et al.; <i>Nearfield effects in end-fire line arrays</i> ; The Journal of the Acoustical Society of America; 1973; pgs. 550-556
H. c.	A46	Kamakura, et al.; <i>A Study for the Realization of a Parametric Loudspeaker</i> , 1985; pgs. 1-18
H. c.	A47	Makarov, et al.; <i>Parametric Acoustic Nondirectional Radiator</i> , Acustica Vol. 77 (1992); pgs. 240-241
H. c.	A48	Aoki, et al.; <i>Parametric Loudspeaker – Characteristics of Acoustic Field and Suitable Modulation of Carrier Ultrasound</i> ; Scripta Technica, Inc. 1992; pgs. 76-82
H. c.	A49	Westervelt; <i>Parametric Acoustic Array</i> ; The Journal of the Acoustical Society of America; April 1983; pgs. 535-537
H. c.	A50	Muir, et al.; <i>Parametric Acoustic Transmitting Arrays</i> ; The Journal of the Acoustical Society of America; 1972; pgs. 1481 – 1485
H. c.	A51	Berklay, <i>Possible Exploitation of Non-Linear Acoustics in Underwater Transmitting Applications</i> ; J. Sound Vib. 1965; pgs. 435-461
H. c.	A52	Polaroid; <i>Ultrasonic Ranging System</i>
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